

## REMARKS

In the Office Action, claims 1-25 were pending. Claims 1-25 stand rejected. In this response, claims 2 and 12-13 have been canceled without prejudice. Claims 1, 4, 6-8, 14-15, and 22 have been amended. No new matter has been added. Reconsideration of this application as amended is respectfully requested.

Claims 1-25 are provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-25 of copending Application Number 09/752,594. Claims 1-25 are also provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-20 of copending Application Number 09/749,133. Terminal disclaimers have been submitted herein.

Claims 1-12 and 15-25 are rejected under 35 U.S.C. 103(a) as being unpatentable over Intel (Simplify Manufacturing by Using Automatic-Test-Equipment for On-Board Programming (hereinafter "AP-629" and "AP-678"), and further in view of U.S. Patent Number 5,600,600 by Olivo et al. (hereinafter "Olivo").

Claims 13 and 14 are objected to, but would be allowable if rewritten in an independent form, which has been confirmed by the Examiner during a telephone conference with the Applicant on June 10, 2004.

In view of the foregoing amendments, it is respectfully submitted that the rejections have been overcome. Specifically, independent claims 1, 15, and 22 have been amended include an allowable subject matter of the objected claim 13 and its intervening claims 2 and 12. Claim 14 has been amended as an independent claim including substantially all limitations of its base and intervening claims. The rest of the claims depend from one of the above independent claims. Thus, all pending claims are in condition of allowance.

In view of the foregoing, Applicant respectfully submits the present application is now in condition for allowance. If the Examiner believes a telephone conference would expedite or assist in the allowance of the present application, the Examiner is invited to call the undersigned attorney at (408) 720-8300.

Please charge Deposit Account No. 02-2666 for any shortage of fees in connection with this response.

Respectfully submitted,

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